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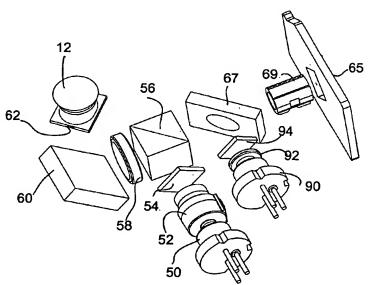
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(54) Title: APPARATUS HAVING AN OPTICAL HEAD FOR READING AND/OR WRITING DATA STORED IN AN OPTI-CAL CARRIER AND METHOD INVOLVED IN THIS APPARATUS



(57) Abstract: This apparatus comprises an optical head (10) for reading and/or writing data stored in an optical carrier (1) hav-constituting said head, having a main light path direction (XX') defined by the direction of the light emitted by a first laser device and/or by reflecting mirror devices, and an exit pupil (63), including a beam shaper (52), a moving part (16) for moving said optical head in a moving direction which is perpendicular to the tracks (100), the light path direction and the moving direction enclosing an angle for achieving an adequate light intensity at the level of said exit pupil. This apparatus is well suited for reading and/ or writing CDRW and DVD.